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ELASTIC BUSH

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ABSTRACT

PURPOSE: To make easy measurement of various behavior of automobile wheels possible by disposing a gummous elastic body between an inner and an outer cylinders of metal and also providing displacement detecting means so that they pass through the outer cylinder to directly measure the relative displacement of the inner and the outer cylinders.

CONSTITUTION: A rubber or gummous elastic body 3 is fixed by vulcanizing adhesion to a metal inner cylinder 1 and a metal outer cylinder 2 disposed on the same shaft of an automobile wheel. Internal threads 4 are arranged in the longitudinal and circumferential directions of the outer cylinder 2 by leaving predetermined spaces and pressure sensors 5, displacement detecting means, are fixed by screwing them into the internal threads 4. The pressure sensors 5 are disposed so that the pressure sensing surfaces at their tips are connected to the outer periphery of the elastic body 3 and their lead wires are connected to a control unit to grasp various behavior of the wheel.

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